

## ABSTRACT OF THE DISCLOSURE

A method of reducing carbon monoxide concentration of mixed gas containing hydrogen, carbon monoxide and oxygen comprises a step of preparing a carbon monoxide removing device having a carbon monoxide concentration  
5 reducing catalyst in which a transition metal element is included and a carbon monoxide adsorption amount is adjusted from 0.1 to 3 mL/cat.g, and a step of supplying the mixed gas to the carbon monoxide removing device at a space velocity of 15000 to 300000 h<sup>-1</sup> and a temperature of 100 to 300 °C.